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- 1 **Dynamic sample selection for approximate query processing**  
 Brian Babcock, Surajit Chaudhuri, Gautam Das  
 June 2003 **SIGMOD '03: Proceedings of the 2003 ACM SIGMOD international conference on Database Management Systems**  
**Publisher:** ACM [Request Permissions](#)  
 Full text available: Pdf (260.80 KB) **Additional Information:** [full citation](#), [abstract](#), [references](#)  
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In decision support applications, the ability to provide fast approximate answers to a query is an important feature. One commonly-used technique for approximate query answering is sampling. For many applications, however, an appropriately constructed biased ...

- 2 **The neglected battle fields of syntax errors**  
 Sarah K. Kummerfeld, Judy Kay  
 January 2003 **ACE '03: Proceedings of the fifth Australasian conference on Computer Education**  
 Volume 20  
**Publisher:** Australian Computer Society, Inc.  
 Full text available: Pdf (382.07 KB) **Additional Information:** [full citation](#), [abstract](#), [references](#)  
**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 28, Downloads (Overall): 1

Syntax error correction is an essential part of the debugging process. Yet there has been little research on how programmers approach syntax error correction and how to help beginner programmers do so efficiently. This paper ...

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## FEEDBACK

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- 3 **Planet-Sized Batched Dynamic Adaptive Meshes (P-BDAM)**  
 Paolo Cignoni, Fabio Ganovelli, Enrico Gobbetti, Fabio Marton, Federico Ponchio, Roberto Scopigno  
 October 2003 **VIS '03: Proceedings of the 14th IEEE Visualization 2003 (VIS'03)**  
**Publisher:** IEEE Computer Society  
 Full text available: Pdf (739.54 KB) **Additional Information:** [full citation](#), [abstract](#), [references](#)  
**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 44, Downloads (Overall): 2

We describe an efficient technique for out-of-core management and interactive rendering of terrain surfaces. The technique, called P-Batched Dynamic Adaptive Meshes (P-BDAM), is based on the use of a basic primitive ...

**Keywords:** Multiresolution, terrains, huge dataset

- 4 **An online programming assessment tool**  
 Graham H. B. Roberts, Janet L. M. Verbyla  
 January 2003 **ACE '03: Proceedings of the fifth Australasian conference on Computer Education**  
 Volume 20  
**Publisher:** Australian Computer Society, Inc.  
 Full text available:

 Pdf (413.66 KB)

[Additional Information: full citation, abstract, references](#)

**Bibliometrics:** Downloads (6 Weeks): 9, Downloads (12 Months): 66, Downloads (Overall): 31

The role of assessment in modern university curricula has become far more diverse a years. Although its most significant role is as a measure of a student's knowledge and device has become increasingly ...



**Keywords:** Java, online assessment

- 5 [Review of "Advances in probabilistic and other parsing technologies" by Harry Br](#)  
Academic Publishers 2000.

Chris Brew

September 2001 **Computational Linguistics** , Volume 27 Issue 3

**Publisher:** MIT Press

Full text available:  [Publisher Site](#) ,  Pdf (220.72 KB) [Additional Information: full citation, references](#)



**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 9, Downloads (Overall): 116

- 6 [Review of "Prosody: theory and experiment. Studies presented to Gösta Bruce" I](#)  
Academic Publishers 2000.

Chilin Shih, Richard Sproat


September 2001 **Computational Linguistics** , Volume 27 Issue 3

**Publisher:** MIT Press

Full text available:  [Publisher Site](#) ,  Pdf (220.72 KB) [Additional Information: full citation, references](#)

**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 11, Downloads (Overall): 14

- 7 [Transforming policies into mechanisms with infokernel](#)

 Andrea C. Arpaci-Dusseau, Remzi H. Arpaci-Dusseau, Nathan C. Burnett, Timothy E. De S. Gunawi, James A. Nugent, Florentina I. Popovic

December 2003 **SOSP '03: Proceedings of the nineteenth ACM symposium on Operating**

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (365.12 KB) [Additional Information: full citation, abstract, references](#)

**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 31, Downloads (Overall): 41


We describe an evolutionary path that allows operating systems to be used in a more by higher-level services. An infokernel exposes key pieces of information about its al thus, its default policies ...

**Keywords:** information, mechanism, policy

Also published in:


December 2003 **SIGOPS Operating Systems Review** Volume 37 Issue 5

- 8 [Top-k selection queries over relational databases: Mapping strategies and perfor](#)

 Nicolas Bruno, Surajit Chaudhuri, Luis Grayano

June 2002 **Transactions on Database Systems (TODS)** , Volume 27 Issue 2

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (1.64 MB) [Additional Information: full citation, abstract, references](#)

**Bibliometrics:** Downloads (6 Weeks): 10, Downloads (12 Months): 89, Downloads (Overall): 1

In many applications, users specify target values for certain attributes, without requi values in return. Instead, the result to such queries is typically a rank of the "top k" t attribute ...


**Keywords:** Multidimensional histograms, top-k query processing

**9** [Interactive previewing for transfer function specification in volume rendering](#)

Charl P. Botha, Frits H. Post

May 2002 **VI SSYM '02: Proceedings of the symposium on Data Visualisation 2002**

**Publisher:** Eurographics Association


Full text available:  [Pdf \(150.84 KB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#)

**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 33, Downloads (Overall): 2f

This paper presents a new technique for supplying meaningful visual feedback during function specification. The technique uses meta-data calculated during a pre-process an approximate ...


**10** [Enhanced operational semantics: a tool for describing and analyzing concurrent](#)

 Pierpaolo Degano, Corrado Priami

June 2001

**Computing Surveys (CSUR)**, Volume 33 Issue 2

**Publisher:** ACM 

Full text available:  [Pdf \(355.24 KB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#)

**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 98, Downloads (Overall): 1f

This article surveys the definition and application of an enhancement of structural op concurrent systems, and also addresses issues of distribution and mobility of code. T labels of ...



**Keywords:** parametric models, process algebra

**11** [Review of "Lexicon development for speech and language processing" by Frank \ Gibbon. Kluwer Academic Publishers 2000.](#)

Ken Litkowski

September 2001 **Computational Linguistics**, Volume 27 Issue 3

**Publisher:** MIT Press

Full text available:  [Publisher Site](#),  [Pdf \(220.72 KB\)](#) **Additional Information:** [full citation](#)


**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 25, Downloads (Overall): 1f

**12** [Haircut: a system for multilingual text retrieval in java](#)

Paul McNamee, James Mayfield, Christine Planko

February 2002 **Journal of Computing Sciences in Colleges**, Volume 17 Issue 3


**Publisher:** Consortium for Computing Sciences in Colleges

Full text available:  [Pdf \(59.06 KB\)](#)

**Additional Information:** [full citation](#), [references](#), [index te](#)

**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 25, Downloads (Overall): 4f


**13** [A survey of techniques for energy efficient on-chip communication](#)

 Vijay Baghunathan, Mani B. Srivastava, Rajesh K. Gupta

June 2003

**DAC '03: Proceedings of the 40th annual Design Automation Conference**

**Publisher:** ACM 

Full text available:  [Pdf \(94.50 KB\)](#)

**Additional Information:** [full citation](#), [abstract](#), [references](#)

**Bibliometrics:** Downloads (6 Weeks): 18, Downloads (12 Months): 174, Downloads (Overall):

Interconnects have been shown to be a dominant source of energy consumption in m (SoC) designs. With a large (and growing) number of electronic systems being design mind, minimizing the energy ...


**Keywords:** communication architectures, energy efficient design, low power design, chip design

#### 14 Spoken dialogue technology: enabling the conversational user interface

 Michael F. McTear

March 2002 **Computing Surveys (CSUR)** , Volume 34 Issue 1

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (987.69 KB)


**Additional Information:** [full citation](#), [abstract](#), [references](#)

**Bibliometrics:** Downloads (6 Weeks): 71, Downloads (12 Months): 573, Downloads (Overall):

Spoken dialogue systems allow users to interact with computer-based applications systems by using natural spoken language. The origins of spoken dialogue systems c Intelligence research in the ...


**Keywords:** Dialogue management, human computer interaction, language generative speech recognition, speech synthesis

#### 15 Hypertext design environments and the hypertext design process

 Jocelyne Nanard, Marc Nanard

August 1995 **Communications of the ACM** , Volume 38 Issue 8


**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (334.62 KB)

**Additional Information:** [full citation](#), [references](#), [cited by](#), [in](#)


**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 56, Downloads (Overall): 57

#### 16 Online feedback-directed optimization of Java

 Matthew Arnold, Michael Hind, Barbara G. Ryder

November 2002 **OOPSLA '02: Proceedings of the 17th ACM SIGPLAN conference on Object systems, languages, and applications**

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (463.00 KB)

**Additional Information:** [full citation](#), [abstract](#), [references](#)

**Bibliometrics:** Downloads (6 Weeks): 8, Downloads (12 Months): 58, Downloads (Overall): 67


This paper describes the implementation of an online feedback-directed optimization automatic; it requires no prior (offline) profiling run. It uses a previously developed sampling framework to ...

**Keywords:** adaptive optimization, dynamic optimization, online algorithms, virtual m

Also published in:


November 2002 **SIGPLAN Notices** Volume 37 Issue 11

#### 17 New products

 Linux Journal Staff

April 2002 **Linux Journal** , Volume 2002 Issue 96


**Publisher:** Specialized Systems Consultants, Inc.

Full text available:  Html (6.90 KB)

**Additional Information:** [full citation](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 0, Downloads (Overall): 45,

#### 18 External memory algorithms and data structures: dealing with massive data

 Jeffrey Scott Vitter

June 2001 **Computing Surveys (CSUR)** , Volume 33 Issue 2

**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (828.46 KB)Additional Information: [full citation](#), [abstract](#), [references](#)**Bibliometrics:** Downloads (6 Weeks): 115, Downloads (12 Months): 832, Downloads (Overall)

Data sets in large applications are often too massive to fit completely inside the computer, resulting input/output communication (or I/O) between fast internal memory and slow disks) can be a major performance ...

**Keywords:** B-tree, I/O, batched, block, disk, dynamic, extendible hashing, external multidimensional access methods, multilevel memory, online, out-of-core, secondary

#### 19 [Stub-code performance is becoming important](#)

Andreas Haeberlein, Jochen Liedtke, Yoonho Park, Lars Reuther, Volkmar Uhlig

October 2000 **WISS'00: Proceedings of the 1st conference on Industrial Experie**



Volume 1 , Volume 1

**Publisher:** USENIX AssociationAdditional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall):

As IPC mechanisms become faster, stub-code efficiency becomes a performance issue in inter-component communication. Inefficient and unnecessary complex marshalling of communication costs. We have developed ...

#### 20 [Review of "A computational theory of writing systems" by Richard Sproat. Cambridge](#)

Kenneth R. Beesley

September 2001 **Computational Linguistics** , Volume 27 Issue 3**Publisher:** MIT PressFull text available:  [Publisher Site](#) ,  Pdf (220.72 KB) Additional Information: [full citation](#), [references](#)**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 15, Downloads (Overall): 17

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